

ENERGY STAR® Application for Certification

80

ENERGY STAR ® Score¹

100 High Street

Registry Name: 100 High Street

Property Type: Office

Gross Floor Area (ft²): 550,326

Built: 1988

For Year Ending: 10/31/2016²

Date Application Becomes Ineligible: 02/28/2017

- 1. The ENERGY STAR Score is based on total source energy. A score of 75 is the minimum to be eligible for the ENERGY STAR.
- 2. Applications must be submitted to EPA within 120 days of the Year Ending Date. The award is not finel until approval is received from EPA.



Please use the <u>Licensed Professional's Guide to the ENERGY STAR</u> ® for Commercial <u>Buildings</u> for reference in completing this checklist (http://www.energystar.gov/lpguide).

Property & Contact Information

Property Address

100 High Street 100 High Street

Boston, Massachusetts 02110

Property ID: 1126819 Boston Energy Reporting ID: 0304408000 Property Owner

CBRE

100 High Street Boston, MA 02110

Primary Contact

Jennifer Twombly 100 High Street

Sùite 910

Boston, MA 02110.

6179187900 *

jennifer.twombly@cbre-ne-com

1. Review of Whole Property Characteristics

Basic Property Information		
Property Name for Registry: 100 High Street Is this the official name to be displayed in the Registry of ENERGY STAR Certified Buildings and Plants?	Yes	□ No
If "No", please specify: 2) Property Type: Office Is this an accurate description of the primary use of this property?	☑ Yes	□ No

3) Location: 100 High Street Boston, Massachusetts 02110 Is this correct and complete?	Yes	□No	
4) Gross Floor Area: 550,326 ft² Does this represent the entire property? (i.e., no part of the building/property was excluded/subtracted from the total) If "no" please specify what space has been excluded.	☑ Yes	∏No	
5) Average Occupancy: (b) (4) Is this occupancy accurate for the entire 12 month period being assessed?	✓ Yes	☐ No	
6) Number of Buildings: 1 Does this number accurately represent all structures?	Yes	☐ No	
Notes:			
			۲
Indoor Environmental Standards			
Indoor Environmental Standards 1) Ventilation for Acceptable Indoor Air Quality Does this property meet the minimum ventilation rates according to ANSI/ASHRAE Standard 62.1, Ventilation for Acceptable Indoor Air Quality?	ſďYes	∏ No	
Ventilation for Acceptable Indoor Air Quality Does this property meet the minimum ventilation rates according to ANSI/ASHRAE	☑ Yes ☑ Yes	□ No	
1) Ventilation for Acceptable Indoor Air Quality Does this property meet the minimum ventilation rates according to ANSI/ASHRAE Standard 62.1, Ventilation for Acceptable Indoor Air Quality? 2) Acceptable Thermal Environmental Conditions Does this property meet acceptable thermal environmental conditions according to	✓ Yes ✓ Yes		

Tracking Number: APP-20161114-0-1126819 Generated On: 11/14/2016

2. Review of Property Use Details

Office: Office		
1) Gross Floor Area: 441,356		•
Is this the total size, as measured between the outside surface of the exterior walls of the building(s)? This includes all areas inside the building(s) such as: occupied tenant areas, common areas, meeting areas, break rooms, restrooms, elevator shafts, mechanical equipment areas, and storage rooms. Gross Floor Area should not include interstitial plenum space between floors, which may house pipes and ventillation. Gross Floor Area is not the same as rentable, but rather includes all area inside the building(s). Leasable space would be a sub-set of Gross Floor Area. In the case where there is an atrium, you should count the Gross Floor Area at the base level only. Do not increase the size to accommodate open atrium space at higher levels. The Gross Floor Area should not include any exterior spaces such as balconies or exterior loading docks and driveways.	r Yes	□ No
NOTE: This use detail was changed during the year ending 10/31/2016. The value above represents a time-weighted average of the values over this timeframe. The following table outlines the history of the changes resulting in the value displayed above:		
Timeframes Value 11/01/2015 – 01/31/2016 394,121 ft² 02/01/2016 – 07/31/2016 451,040 ft² 08/01/2016 – 10/31/2016 469,433 ft²	,	
ls this the total number of hours per week that the property is occupied by the majority of the employees? It does not include hours when the HVAC system is starting up or shutting down, or when property is occupied only by maintenance, security, cleaning staff, or other support personnel. For properties with a schedule that varies during the year, use the schedule most often followed.	Yes	∏ No
☆ 3) Number of Workers on Main Shift: (b) (4)		
Is this the total number of workers present during the primary shift? This is not a total count of workers, but rather a count of workers who are present at the same time. For example, if there are two daily eight hour shifts of 100 workers each, the Number of Workers on Main Shift value is 100. Number of Workers on Main Shift may include employees of the property, sub-contractors who are onsite regularly, and volunteers who perform regular onsite tasks. Number of Workers should not include visitors to the buildings such as clients, customers, or patients.	Yes	□No
NOTE: This use detail was changed during the year ending 10/31/2016. The value above represents a time-weighted average of the values over this timeframe. The following table outlines the history of the changes resulting in the value displayed above:		
Timeframe Value 11/01/2015 – 02/14/2016 02/15/2016 – 05/29/2016 05/30/2016 – 10/31/2016		

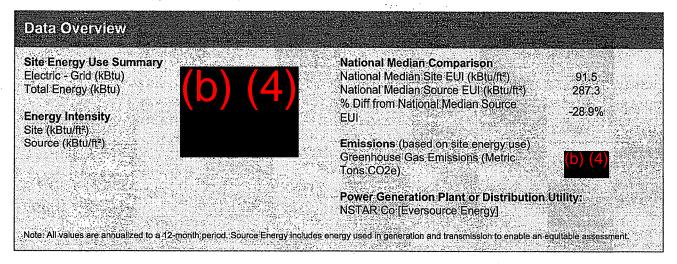
*4) Number of Computers: (b) (4)			
Is this the total number of computers, laptops, and data servers at the property? This number should not include tablet computers, such as iPads, or any other types of office equipment.	Yes	□No	
NOTE: This use detail was changed during the year ending 10/31/2016. The value above represents a time-weighted average of the values over this timeframe. The following table outlines the history of the changes resulting in the value displayed above:			
Timetrame 11/01/2015 – 05/29/2016 05/30/2016 – 10/31/2016			
★ 5) Percent That Can Be Heated: (b) (4)		•	
ls this the total percentage of the property that can be heated by mechanical equipment?	Yes	□No	
☆ 6) Percent That Can Be Cooled: (b) (4)			
Is this the total percentage of the property that can be cooled by mechanical equipment? This includes all types of cooling from central air to individual window units.	Yes	No	
Notes:	**************************************		······································

Office: (b) (4)		STATE OF THE PROPERTY OF THE P	
Libis Use Detail is used to calculate the 12100 ENERGY STAR Score	Note in the second seco		PARINE PARINE PARINE
\$ This Use Detail is used to calculate the in 100 ENERGY STAR Score ★ 1) Gross Floor Area: 107,170			
	Yes	□ No	
Is this the total size, as measured between the outside surface of the exterior walls of the building(s)? This includes all areas inside the building(s) such as: occupied tenant areas, common areas, meeting areas, break rooms, restrooms, elevator shafts, mechanical equipment areas, and storage rooms. Gross Floor Area should not include interstitial plenum space between floors, which may house pipes and ventilation. Gross Floor Area is not the same as rentable, but rather includes all area inside the building(s). Leasable space would be a sub-set of Gross Floor Area. In the case where there is an atrium, you should count the Gross Floor Area at the base level only. Do not increase the size to accommodate open atrium space at higher levels. The Gross Floor Area should not include any exterior spaces such as balconies or exterior loading docks and	Yes	□No	
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Is this the total area that is lit and used for parking vehicles? Open Parking Lot Size refers specifically to open area, which may include small shading covers but does not	Yes	□ No
★ 1) Open Parking Lot Size: 0 ft²		
Parking: Parking Level 1,2 & 3		
		and the second
Notes:	Miller Schrift Schrift someon mag sou y managem magnifys y february	
Is this the total percentage of the property that can be cooled by mechanical equipmen This includes all types of cooling from central air to individual window units.	nt? Yes	No
★ 6) Percent That Can Be Cooled: (b) (4)		
Is this the total percentage of the property that can be heated by mechanical equipmer	nt? Yes	No
★ 5) Percent That Can Be Heated. (b) (4)		
Is this the total number of computers, laptops, and data servers at the property? This number should not include tablet computers, such as iPads, or any other types of offic equipment.	Yes Yes	□ No
(s this the total number of computers, lentons, and data convers at the present to This	_/	_
Workers on Main Shift value is 100. Number of Workers on Main Shift may include employees of the property, sub-contractors who are onsite regularly, and volunteers who perform regular onsite tasks. Number of Workers should not include visitors to the buildings such as clients, customers, or patients.	е	
Is this the total number of workers present during the primary shift? This is not a total count of workers, but rather a count of workers who are present at the same time. For example, if there are two daily eight hour shifts of 100 workers each, the Number of Workers on Main Shift value is 100. Number of Workers on Main Shift was included.	Yes	☐ No ·
*3) Number of Workers on Main Shift: (b) (4)	,	
Is this the total number of hours per week that the property is occupied by the majority of the employees? It does not include hours when the HVAC system is starting up or shutting down, or when property is occupied only by maintenance, security, cleaning staff, or other support personnel. For properties with a schedule that varies during the year, use the schedule most often followed.	□ .00	□ No
★ 2) Weekly Operating Hours: (b) (4)		
08/01/2016 — 10/31/2016 82,599 ft ²		
06/01/2016 - 07/31/2016 79,683 ft ²		
02/01/2016 = 05/29/2016 100,992 ft ³ 05/30/2016 - 05/31/2016 109,348 ft ²		

include any full structures with roofs. Parking lot size may include the area of parking	pr antin a privinsk a veza pri vi		
spots, lanes, and driveways.			:
♠ 2) Partially Enclosed Parking Garage Size: 0 ft²			
Is this the total area of parking structures that are partially enclosed? This includes parking garages where each level is covered at the top, but the walls are partially or fully open.	Yes	□No	
் 3) Completely Enclosed Parking Garage Size: 94,644 ft²	,		
Is this the total area of parking structures that are completely enclosed on all four sides and have a roof? This includes underground parking or fully enclosed parking on the first few stories of a building.	Yes	No	•
★ 4) Supplemental Heating: No			
Is this the correct answer to whether your parking garage has Supplemental Heating, which is a heating system to pre-heat ventilation air and/or maintain a minimum temperature during winter months?	Yes	I No	
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		•	
(b) (4)		7575	
(b) (4) ***********************************			
(b) (4) Signification of the interest of the			
	Yes	□ No	-
Is this the total size, as measured between the outside surface of the exterior walls of the building(s)? This includes all areas inside the building(s) such as: occupied tenant areas, common areas, meeting areas, break rooms, restrooms, elevator shafts, mechanical equipment areas, and storage rooms. Gross Floor Area should not include interstitial plenum space between floors, which may house pipes and ventilation. Gross Floor Area is not the same as rentable, but rather includes all area inside the building(s). Leasable space would be a sub-set of Gross Floor Area. In the case where there is an atrium, you should count the Gross Floor Area at the base level only. Do not increase the size to accommodate open atrium space at higher levels. The Gross Floor Area should not include any exterior spaces such as balconies or exterior loading docks and	Yes	No No	-
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3. Review of Energy Consumption



Summary of A	All Associated Me	ters		
		property, meaning that they thecklist for the exact meter		get the total energy use for the
Meter Name	Fuel Type	Start Date	End Date	Associated With
MSR NstarEnergy (b) (4)	Electric	07/30/2015	In Use	100 High Street
(b) (4		02/02/2015	In Use	(b) (4)
Total Energy Use				☑Yes ☐ No
	shown above account for of this application?	the total energy use of this	property during the	
Additional Fuels				☑Yes ☐ No
	bove include all fuel <i>type</i> enerator fuel oil have be	es at the property? That is, len excluded.	no additional fuels such	as
On-Site Solar and	Wind Energy			[☑Yes ☐ No
Are all on-site so must be reporte		s reported in this list (if pres	sent)? All on-site system	ns ·

Tracking Number: APP-20161114-0-1126819 Generated On: 11/14/2016

Notes:	•		
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			TOTAL TOTAL THE

Start Date	Street End Date	Usage	Green Power?
10/29/2015	12/01/2015	(b) (4)	No
12/01/2015	01/03/2016		No
01/03/2016	02/01/2016	Compa- Logistic Compa- Logistic Compa-	No
02/01/2016	03/01/2016		No
03/01/2016	03/30/2016	tales State	No
03/30/2016	04/30/2016		No
04/30/2016	05/31/2016		No
05/31/2016	06/29/2016		No
06/29/2016	07/31/2016		No.
07/31/2016	08/30/2016		No
.08/30/2016	09/29/2016		No
09/29/2016	10/31/2016		No
	Total Consumption (Watt-hours)):	kWh (thousand	(b) (4)
	Total Consumption (Btu)):	kBtu (thousand	
tal Energy Consumption	n for this Meter	·	☑Yes ☐ No
through this meter that affect	ls shown above include consumption energy calculations for the reporting autility bills received by the property)	period of this application	
	Heriofflis Resources de Schafferschap obstraction and accomplished and a security and a security of the securi		
Notes:			

(b) (4)					
(b) (4) (b) (4)	(kWh (t	housand Watt-hours))			ESIMATUR.
Nonaletad	I With (b) (d)		AMPROXICAL STATES		
Associated	Start Date	End Date		Usage	
	10/01/2015	11/02/2015			
- 15, 543 S	11/02/2015	12/02/2015			
	12/02/2015	01/04/2016			
	01/04/2016	02/01/2016			
	02/01/2016	03/02/2016			
	03/02/2016	04/01/2016			
	04/01/2016	05/01/2016			
	05/01/2016	06/01/2016	en e		U.Y.Dheekii
	06/01/2016	07/01/2016			Maria de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición de la composición dela composición de la composición dela
	07/01/2016	08/01/2016	er i de la companya d La companya de la co		
	08/01/2016	09/01/2016		And the second s	
all silling	09/01/2016 10/01/2016	10/01/2016 11/01/2016	38. – 1920 A. B. (1486 – 24		
		Total Consumption (kW Watt-hours)): Total Consumption (kB Btu)):			
otal Energ	gy Consumption for	this Meter		Yes	∏No
through t	this meter that affect energ	own above include consumption of gy calculations for the reporting pe y bills received by the property)?	all energy tracked eriod of this application		
Notes:					
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		*			
			,		

4. Signature & Stamp of Verifying Licensed Professional

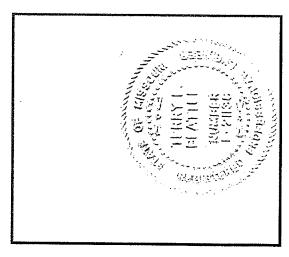
HARLISON SMITE (Name) visited this site on /L-B-16 (Date). Based on the conditions observed at the time of the visit to this property, I verify that the information contained within this application is accurate and in accordance with the Licensed Professional Guide.

Date: ///////

Signature: The Slatte Dar

Licensed Professional License: E-21138 in MO

Terry Blattel 3029 Victoria Lane Blue Springs, MO 64015 816-224-9971 terry.blattel@cbre.com



NOTE: When applying for the ENERGY STAR, the signature of the Verifying Professional must match the stamp.

Professional Engineer Stamp

5. Signatory Agreement

I hereby nominate the above described property for award of the ENERGY STAR. I have provided a copy of the Licensed Professionals Guide to the ENERGY STAR for Commercial Buildings to our Licensed Professional (LP) for reference. As documented by the above checklist, this property meets the conditions necessary to qualify as ENERGY STAR. I am submitting this application within four months of the Year Ending Date (October 31, 2016) used to generate the application. I will assist EPA, if requested, in verifying any data included in this application. Furthermore, I agree to associate the ENERGY STAR logo only with this property and to adhere to the ENERGY STAR Identity Guidelines.

Signature (must be a direct employee of the building owner/manager):

Signatory Name: Jennifer Twombly

Property Owner: CBRE

The government estimates the average time needed to fill out this form is 6 hours (includes the time for entering energy data, Licensed Professional facility inspection, and notarizing the SEP) and welcomes suggestions for reducing this level of effort. Send comments (referencing OMB control number) to the Director. Collection Strategies Division, U.S., EPA (2822T), 1200 Pennsylvania Ave., NW. Washington, D.C. 20460